#### § 97.90-1

million (0.0075%). When necessary, portable blowers of adequate size and location shall be utilized.

[CGFR 66-33, 31 FR 15286, Dec. 6, 1966, as amended by CGFR 69-72, 34 FR 17485, Oct. 29, 1969; CGD 95-027, 61 FR 26008, May 23, 1996]

## Subpart 97.90—Pilot Boarding **Operations**

# $\S 97.90-1$ Pilot boarding operation.

- (a) The master shall ensure that pilot boarding equipment is maintained as follows:
- (1) The equipment must be kept clean and in good working order.
- (2) Each damaged step or spreader step on a pilot ladder must be replaced in kind with an approved replacement step or spreader step, prior to further use of the ladder. The replacement step or spreader step must be secured by the method used in the original construction of the ladder, and in accordance with manufacturer instructions.
- (b) The master shall ensure compliance with the following during pilot boarding operations:
- (1) Only approved pilot boarding equipment may be used.
- (2) The pilot boarding equipment must rest firmly against the hull of the vessel and be clear of overboard dis-
- (3) Two man ropes, a safety line and an approved lifebuoy with an approved water light must be at the point of access and be immediately available for use during boarding operations.
- (4) Rigging of the equipment and embarkation/debarkation of a pilot must be supervised in person by a deck officer.
- (5) Both the equipment over the side and the point of access must be adequately lit during night operations.
- (6) If a pilot hoist is used, a pilot ladder must be kept on deck adjacent to the hoist and available for immediate

[CGD 79-032, 49 FR 25455, June 21, 1984]

# Subpart 97.95—Person in Charge of Transfer of Liquid Cargo in Bulk

SOURCE: CGD 79-116, 60 FR 17157, Apr. 4, 1995

### §97.95-1 General.

A qualified person in charge of a transfer of liquid cargo in bulk shall be designated in accordance with subpart C of 33 CFR part 155.

[CGD 79-116, 60 FR 17157, Apr. 4, 1995]

#### PART 98—SPECIAL CONSTRUCTION ARRANGEMENT, AND OTHER PROVISIONS FOR CERTAIN DAN-GEROUS CARGOES IN BULK

### Subpart 98.01—General

98.01-1 Applicability.

98.01-3 Incorporation by reference.

#### Subpart 98.25—Anhydrous Ammonia in Bulk

98.25-1 Applicability.

98.25-5 How anhydrous ammonia may be carried.

98.25-10 Design and construction of cargo tanks.

98.25-15 Markings.

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98.25-30 Lagging.

Refrigerated systems. 98 25-35

98.25-40 Valves, fittings, and accessories. 98.25-45

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98.25-55 Cargo piping.

98.25-60 Safety relief valves.

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### Subpart 98.30—Portable Tanks

98.30-1 Applicability.

98.30-2Definitions.

98.30 - 3Vessels carrying MPTs.

98.30-4 Vessels carrying portable tanks other than MPTs.

98.30-5 Materials authorized for transfer to and from a portable tank.

98.30-6 Lifting a portable tank.

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98.30-9 Stowage of portable tanks.

98.30-10 Pipe connections, and filling and discharge openings.

98.30-11 Cargo pumps.

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98.30-14 Requirements for ships carrying NLSs in portable tanks.

98.30-15 Leakage containment.